What is claimed is:

1.   A method of transmitting information from a first device to a second device, the method comprising steps of:

comparing a data transfer rate to a predetermined threshold, said data transfer rate
5   being related to the rate of transmission of information from said first device to said second device;

transmitting information from said first device during a scheduled period of time in response to said data transfer rate exceeding said predetermined threshold; and

preventing a transmission of said information at a beginning of said scheduled
10   period of time in response to said data transfer rate not exceeding said predetermined threshold.

2.   The method of claim 1, wherein said step of comparing a data transfer rate to a predetermined threshold further comprises steps of:

determining whether a retry period of time has ended in response to said data
15   transfer rate being below said predetermined threshold;

canceling said transmission of information during said scheduled period of time in response to said retry period of time ending; and

comparing a re-measured data transfer rate to said predetermined threshold in response to said retry period of time not ending.

20   3.   The method of claim 2, wherein said step of comparing a data transfer rate to a predetermined threshold further comprises steps of:

determining whether a proximate end to said scheduled period of time has occurred in response to said retry period of time continuing; said proximate end being an instance in time prior to an end of said scheduled period of time, such that a transmission

beginning at the proximate end completes prior to the end of said scheduled period of time;

canceling said transmission of information during said scheduled period of time in response to an occurrence of said proximate end; and

5   performing said step of comparing said re-measured data transfer rate to said predetermined threshold in response to said proximate end to said scheduled period of time not occurring.

4.   The method of claim 3, wherein said step of transmitting information from said first device further comprises a step of transmitting said information from said first device 10   during said scheduled period of time in response to said re-measured data transfer rate exceeding said predetermined threshold.

5.   The method of claim 1, wherein said step of transmitting information from said first device further comprises steps of:

comparing a data transfer rate of said transmitting information to said 15   predetermined threshold; and

terminating said transmission of information in response to said data transfer rate not exceeding said predetermined threshold.

6.   The method of claim 5, wherein said step of transmitting information from said first device further comprises steps of:

20   determining whether a retry period of time has ended in response to said data transfer rate not exceeding said predetermined threshold;

canceling said transmission of information during said scheduled period of time in response to said retry period of time ending; and

comparing a re-measured data transfer rate to said predetermined threshold in response to said proximate end to said scheduled period of time not occurring.

7. The method of claim 6, wherein said step of transmitting information from said first device further comprises a step of transmitting said information from said first device during said scheduled period of time in response to said re-measured data transfer rate exceeding said predetermined threshold.

8. The method of claim 1, wherein said step of comparing is performed by said first device.

9. The method of claim 1, wherein said step of comparing is performed by said second device.

10. The method of claim 1, further comprising a step of requesting information from said first device prior to said step of comparing, wherein said information includes said scheduled period of time.

11. A system comprising:

a first device; and

a second device connected to said first device through a network, wherein said first device is operable to transmit information to said second device at a scheduled period of time when a data transfer rate for a network connection in said network between said first device and said second device exceeds a predetermined threshold.

12. The system of claim 11, wherein said first device is operable to withhold transmission of information to said second device at a beginning of said scheduled period of time in response to said data transfer rate not exceeding said predetermined threshold.

13. The system of claim 12, wherein said first device is operable to terminate transmission of said information after said transmission is started in response to said data

transfer rate for said connection not exceeding said predetermined threshold during said transmission.

14. The system of claim 13, wherein said first device is a server in said network and second device is a client in said network.

15. The system of claim 14, wherein said first device is operable to compare said data transfer rate to said predetermined threshold.

16. The system of claim 14, wherein said second device is operable to compare said data transfer rate to said predetermined threshold.

17. A computer readable medium on which is embedded a program, the program performing a method of transmitting information from a first device to a second device, the method comprising steps of:

comparing a data transfer rate to a predetermined threshold, said data transfer rate being related to the rate of transmission of information from said first device to said second device;

transmitting information from said first device during a scheduled period of time in response to said data transfer rate exceeding said predetermined threshold; and

preventing a transmission of said information at a beginning of said scheduled period of time in response to said data transfer rate not exceeding said predetermined threshold.

18. The computer readable medium of claim 17, wherein said step of comparing a data transfer rate to a predetermined threshold further comprises steps of:

determining whether a retry period of time has ended in response to said data transfer rate being below said predetermined threshold; and

determining whether a proximate end to said scheduled period of time has occurred in response to said retry period of time not ending; said proximate end being an instance in time prior to an end of said scheduled period of time.

19.   The computer readable medium of claim 18, wherein said step of comparing a data transfer rate to a predetermined threshold further comprises a step of:

canceling said transmission of information during said scheduled period of time in response to an occurrence of said proximate end or an occurrence of said retry period of time.

20.   The computer readable medium of claim 19, wherein said step of comparing is performed during said transmission of information and said step of preventing further comprises a step of:

terminating said transmission of said information at a beginning of said scheduled period of time in response to said data transfer rate not exceeding said predetermined threshold.

21.   A network node connected to a network, said network node being operable to:
transmit information at a scheduled period of time on a communication path in said network when a data transfer rate for said communication path exceeds a predetermined threshold;

prevent transmission of said information in response to said data transfer rate not exceeding said predetermined threshold;

determine whether a retry period of time has ended in response to said data transfer rate being below said predetermined threshold;

cancel said transmission of information during said scheduled period of time in response to said retry period of time ending; and

compare a re-measured data transfer rate to said predetermined threshold in response to said retry period of time not ending.

22.   The network node of claim 21, wherein said network node is further operable to:

determine whether a proximate end to said scheduled period of time has occurred in response to said retry period of time continuing; said proximate end being an instance in time prior to an end of said scheduled period of time, such that a transmission
5   beginning at the proximate end completes prior to the end of said scheduled period of time;

cancel said transmission of information during said scheduled period of time in response to an occurrence of said proximate end; and

perform said comparison of said re-measured data transfer rate to said
10   predetermined threshold in response to said proximate end to said scheduled period of time not occurring.

23.   The network node of claim 22, wherein said network node is further operable to transmit said information during said scheduled period of time in response to said re-measured data transfer rate exceeding said predetermined threshold.

15   24.   The network node of claim 21, wherein said network node transmits said information and said network node is further operable to:

compare a data transfer rate of said transmitting information to said predetermined threshold; and

terminate said transmission of information in response to said data transfer rate not
20   exceeding said predetermined threshold.

25.   The network node of claim 21, wherein said network node includes at least one server.

26.   The network node of claim 25, wherein said network node is operable to be connected to at least one client via said network and transmit information at a scheduled

period of time on said communication path to said at least one client when said data transfer rate for said communication path exceeds said predetermined threshold.